

INK FOR INK JET RECORDING

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Abstract

PROBLEM TO BE SOLVED: To obtain an ink for ink jet recording excellent in discharge stability in spite of a pigment type and good in film properties such as frictional resistance.

SOLUTION: This ink is mainly composed of a pigment, an aqueous resin and an aqueous medium and the aqueous resin contains a polyurethane resin obtained by mainly reacting an organic diisocyanate compound with a diol compound having a constituent unit represented by the formula $(CH_2-CH_2-O)_n$ [(n) denotes an integer of 4-220] in the molecule and further having carboxyl groups in the molecule and 10-200 mgKOH/g acid value and 2,000-100,000 number-average molecular weight. The weight of the constituent unit contained in the polyurethane resin and represented by the formula is 1-10 wt.% based on the weight of the whole ink.

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